

MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company

Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408

Phone #: 605-336-6710

Date Prepared: 9-22-88

Product Identity: Code 601

Synonyms: Molybdate Reagent

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH-TLV	Flammability	LEL	UEL
Sulfuric Acid	1mg/m ³	1mg/m ³	(0)	NA	NA
Ammonium Molybdate	15mg/m ³	5mg/m ³	(0)	NA	NA

CAS#
7664-
93-9

12027-
67-7

Other Cited Data: None

Comments: This product is very acidic and corrosive.

Section III: Physical/Chemical Characteristics

Boiling Point: Approx. 100°C Specific Gravity (H₂O=1): 1.2 - 1.3

Vapor Pressure: Unknown Melting Point: Approx. 10°F

pH: 0 - 1 Evaporation Rate (Butyl acetate=1): <1

Appearance and odor: Clear odorless liquid

Section IV: Fire and Explosion Data

Flash Point: None

Extinguishing Media: Water, CO₂, foam, dry chemical

Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: NA

Section V: Reactivity Data

Stability: Stable Yes Unstable No

Conditions to avoid: Bases, metals, cyanides, acid incompatibles.

Incompatibility: Bases, contact with metals.

Position or By Products Ammonia, SO² gas

Section V. Health Hazard Data

Health Hazards (Acute and Chronic) Skin: corrosive Eyes: corrosive
Ingestion: corrosive

OSHA Regulated No Other No

Medical Conditions Aggravated by Exposure: _____ None known

Emergency and First Aid Procedures: Eyes: immediately flush with plenty of water,
Call a physician. Skin: flush with water. Remove contaminated
clothing. Ingestion: give bicarbonate of soda. Call a
physician.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Wear safety gear to avoid contact. Neutralize with soda ash to a pH of 6-8. Absorb on inert material and transfer to a suitable plastic container. Dispose of properly.

Waste Disposal Method Follow Federal, State, and Local regulations.

Precautions to be taken in handling and storing: Avoid contact.

Other precautions: This reagent will dissolve clothing.

Section VIII: Control Measures

Respiratory Protection: NA

Ventilation: Local Exhaust NA Special NA
Mechanical (Type) NA Other NA

Protective Gloves Latex Eye Protection Goggles

Other Eye wash, apron

Comments: This reagent is corrosive. Use caution when handling.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211